Resource Summary Report

Generated by NIF on May 25, 2025

enviPat

RRID:SCR_003034
Type: Tool

Proper Citation

enviPat (RRID:SCR_003034)

Resource Information

URL: http://cran.r-project.org/web/packages/enviPat/

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Description: Software for fast and very memory-efficient calculation of isotope patterns, subsequent convolution to theoretical envelopes (profiles) plus valley detection and centroidization or intensoid calculation. Batch processing, resolution interpolation, wrapper, adduct calculations and molecular formula parsing.

Synonyms: enviPat: Isotope pattern profile and centroid calculation for mass spectrometry

Resource Type: software resource

Keywords: standalone software, mac os x, unix/linux, windows, r

Funding:

Availability: GNU General Public License, v2

Resource Name: enviPat

Resource ID: SCR_003034

Alternate IDs: OMICS_02408

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250525T030733+0000

Ratings and Alerts

No rating or validation information has been found for enviPat.

No alerts have been found for enviPat.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Graça AP, et al. (2025) MftG is crucial for ethanol metabolism of mycobacteria by linking mycofactocin oxidation to respiration. eLife, 13.

Unniram Parambil AR, et al. (2024) Atomically precise surface chemistry of zirconium and hafnium metal oxo clusters beyond carboxylate ligands. Chemical science, 15(42), 17380.

Mendo Diaz O, et al. (2024) A Quasi Real-Time Evaluation of High-Resolution Mass Spectra of Complex Chlorinated Paraffin Mixtures and Their Transformation Products. Analytical chemistry, 96(30), 12378.

Siddiqui MU, et al. (2024) Screening Disinfection Byproducts in Arid-Coastal Wastewater: A Workflow Using GC×GC-TOFMS, Passive Sampling, and NMF Deconvolution Algorithm. Journal of xenobiotics, 14(2), 554.

Baljozovi? M, et al. (2024) Planar and Curved ?-Extended Porphyrins by On-Surface Cyclodehydrogenation. Journal of the American Chemical Society, 146(50), 34600.

Maugrion E, et al. (2023) Extracellular Vesicles Contribute to the Difference in Lipid Composition between Ovarian Follicles of Different Size Revealed by Mass Spectrometry Imaging. Metabolites, 13(9).

Hsu DJ, et al. (2023) Arginine limitation causes a directed DNA sequence evolution response in colorectal cancer cells. bioRxiv : the preprint server for biology.

Marcinkowski D, et al. (2023) Unexpected structural complexity of d-block metallosupramolecular architectures within the benzimidazole-phenoxo ligand scaffold for crystal engineering aspects. Scientific reports, 13(1), 18055.

Papanastasiou D, et al. (2022) The Omnitrap Platform: A Versatile Segmented Linear Ion Trap for Multidimensional Multiple-Stage Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 33(10), 1990.

Kaußler C, et al. (2022) "Dynamical Docking" of Cyclic Dinuclear Au(I) Bis-N-heterocyclic

Complexes Facilitates Their Binding to G-Quadruplexes. Inorganic chemistry, 61(50), 20405.

Knobloch MC, et al. (2022) Chemical synthesis and characterization of single-chain C18-chloroparaffin materials with defined degrees of chlorination. Chemosphere, 291(Pt 2), 132938.

El Abiead Y, et al. (2021) mzRAPP: a tool for reliability assessment of data pre-processing in non-targeted metabolomics. Bioinformatics (Oxford, England), 37(20), 3678.

Nabiyeva T, et al. (2021) Osmium Arene Germyl, Stannyl, Germanate, and Stannate Complexes as Anticancer Agents. ACS omega, 6(29), 19252.

Knobloch MC, et al. (2021) Transformation of short-chain chlorinated paraffins and olefins with the bacterial dehalogenase LinB from Sphingobium Indicum - Kinetic models for the homologue-specific conversion of reactive and persistent material. Chemosphere, 283, 131199.

Nicolardi S, et al. (2021) Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. Analytical chemistry, 93(10), 4666.

Panzenboeck L, et al. (2020) Chasing the Major Sphingolipids on Earth: Automated Annotation of Plant Glycosyl Inositol Phospho Ceramides by Glycolipidomics. Metabolites, 10(9).

Gstöttner C, et al. (2020) Monitoring glycation levels of a bispecific monoclonal antibody at subunit level by ultrahigh-resolution MALDI FT-ICR mass spectrometry. mAbs, 12(1), 1682403.

Barilla S, et al. (2020) Loss of G protein pathway suppressor 2 in human adipocytes triggers lipid remodeling by upregulating ATP binding cassette subfamily G member 1. Molecular metabolism, 42, 101066.

van der Burgt YEM, et al. (2019) Structural Analysis of Monoclonal Antibodies by Ultrahigh Resolution MALDI In-Source Decay FT-ICR Mass Spectrometry. Analytical chemistry, 91(3), 2079.

Vu-Duc N, et al. (2019) Multiresidue Pesticides Analysis of Vegetables in Vietnam by Ultrahigh-Performance Liquid Chromatography in Combination with High-Resolution Mass Spectrometry (UPLC-Orbitrap MS). Journal of analytical methods in chemistry, 2019, 3489634.